MECHANICAL PIPE JOINT, GASKET, AND METHOD FOR RESTRAINING PIPE SPIGOTS IN MECHANICAL PIPE JOINT BELL SOCKETS

ABSTRACT

A mechanical pipe joint, restraining gasket, and method for restraining pipe spigots within adjacent bell sockets. The restraining gasket is composed of two axially-separate components: a sealing portion and a restraining portion made of a plurality of arcuate locking members. The restraining gasket and a gland surround an outer surface of the pipe spigot. The mechanical pipe joint is formed as the pipe spigot is inserted into the bell socket and the gland is axially attached to the bell socket so that the restraining gasket is held between: the gland, an inner surface of the bell socket, and the outer surface of the pipe spigot, so as to provide a fluid seal in the joint and urge the locking members into contact with the outer surface of the pipe spigot, axially restraining the pipe spigot within the bell socket.